

# PowerLogic™ HeatTag

## Technical Datasheet

### Wireless Sensor for early detection of overheating cables

The PowerLogic HeatTag sensor analyzes gas and airborne particles helping facility manager to anticipate and act before smoke appears or an electrical fire starts.

Electrical fires generate huge losses in commercial and industrial buildings, interrupting production and delaying service delivery. These losses can be prevented if early detection of component overheating is accurately detected and alarmed.

PowerLogic HeatTag helps prevent electrical cabinets from being damaged by analyzing airborne gas and particles and sending alerts before smoke appears or an electrical fire starts. HeatTag is much more than a fire or smoke detector - it scientifically detects overheating in electrical installations before any damage is done.



PE120568

## The solution for

Markets that can benefit from a solution that includes PowerLogic HeatTag smart sensors:

- Buildings
- Industry
- Healthcare
- Data Center and networks
- Infrastructure

## Benefits

### System integrators' benefit

- Ease of integration
- Ease of setup
- Cost effectiveness
- Seamless integration with EcoStruxure™ solutions

### Panel builders' benefit

- No settings
- Nominal environment auto-learning to avoid false alerts
- Concentrator auto-discovery
- Alerts generated by a powerful algorithm integrated in HeatTag

### End users' benefit

- Ease of use
- Prevents fire damage and associated costs
- Comprehensive, consistent and superior performance
- Maximize uptime, eliminate faults, and enhance safety

## Competitive advantages

- Easy to install and operate
- Suitable for non forced ventilated cabinets  $\geq$  IP31
- Immediately detects overheating in cables and connections
- More than a smoke detector or heat sensor
- 3 levels of alert recording
- Monitors air quality index
- Continuous improvements of algorithms

## Power management solutions

Schneider Electric provides innovative power management solutions to increase your energy efficiency and cost savings, maximize electrical network reliability and availability, and optimize electrical asset performance.

## Conformity of standards

- IEC/UL 61010-1
- IEC 61010-2-201
- IEC 61326-1
- IEC61326-2-3
- ETSI EN 301 489-1
- ETSI EN 301 489-17
- ETSI EN 300 328
- EN 62311
- EN IEC 63000
- IEEE 802.15.4 protocol
- FCC and IC certified

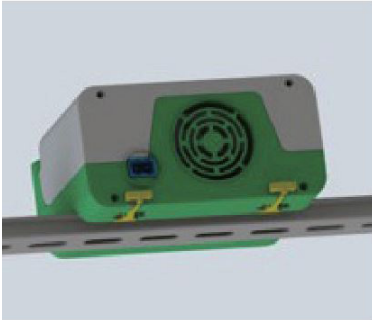
# HeatTag sensors

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PowerLogic™ HeatTag sensor

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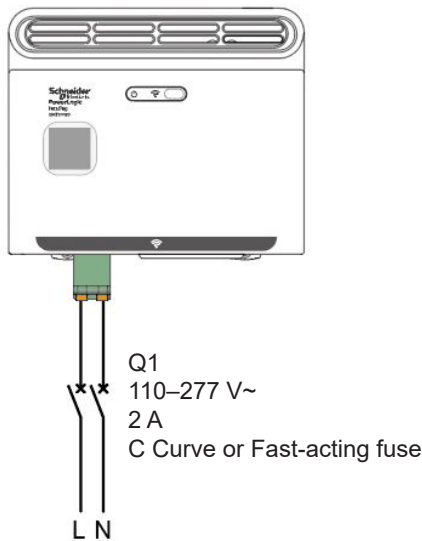


HeatTag rear view showing fan

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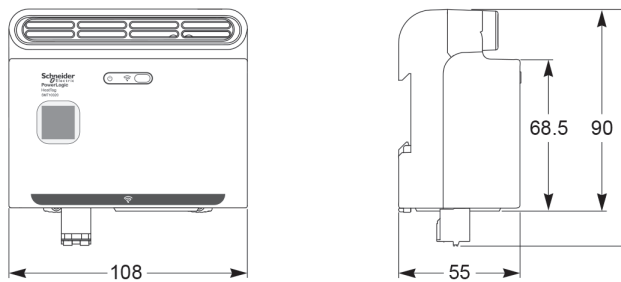
HeatTag sensor DIN mounted



## HeatTag features

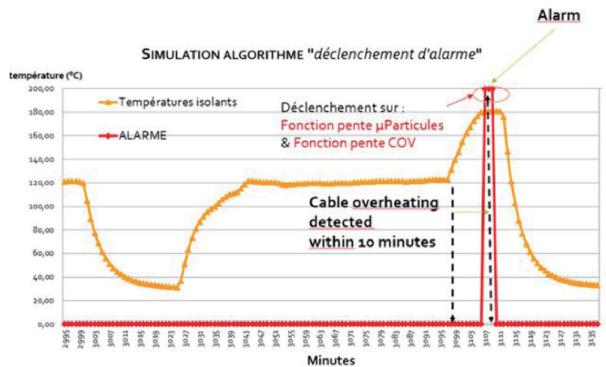
Sensor Characteristics		
Temperature measurement	Measurement range	-15 °C / +70 °C (5 °F to 158 °F)
	Measurement accuracy	-1.1 °C / +1.1 °C
	Default transmission period	60 seconds (higher in case of high wireless data traffic)
Humidity measurement	Measurement range	15–90 %
	Measurement accuracy	±9 RH %
	Default transmission period	60 seconds (higher in case of high wireless data traffic)
Air quality	Index (0 to 10), alert generation when index ≥10	
Test alert after pairing	During first 30 minutes	
Environment auto-learning phase	8 hours after the first 30 minutes	
Mechanical Characteristics		
Dimensions (W x H x D)	108 x 107 x 55 mm	
Weight	270 g	
Degree of protection (IEC 60529)	IP 20	
Electrical Characteristics		
Supply voltage	110–277 V AC, -15 % / +15 %	
Frequency	50–60 Hz	
Max. consumption	0.1 A	
Operating temperature	-15 °C / +70 °C (5 °F to 158 °F)	
Storage temperature	-20 °C / +85 °C (-4 °F to 185 °F)	
Relative humidity in operation	15–90 %	
Altitude of use	0–2000 m (0–6500 ft)	
Degree of pollution (IEC 60664-1)	3	
Overvoltage category	OVC III	
Commercial Reference Number		
PowerLogic HeatTag Sensor	SMT10020	

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HeatTag sensor dimensions. See the appropriate Installation Guide.

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HeatTag simulation algorithm display

**NOTE:** Do not use HeatTag as a safety device or to replace fire protection devices. Please see the appropriate **User Guide** for this product.

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As standards, specifications and designs develop from time to time, please ask for confirmation of the information given in this document.

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Photos: Schneider Electric

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have been awarded the Green Premium ecolabel.

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